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5.	Norms on the stability of vessels were first worked out and published by Register.	y the USSR	9 1
6.	For the period (when the USSR fleet was nationalized) over works and 37 materials on shipbuilding standards translated from foreign were published by the USSR Register.	200 printed 1 languages	50X1-HUM
7.	Along with its normative work, one of the main duties of the USSR Regist studying and approving construction of merchant vessels to be built and our the technical inspection when vessels are built or repaired. At the construction and repair of all vessels is carried out by projects, which approved by the USSR Register and which are subject to its technical instance.	of carrying present time	f
8.	the USSR Register set up a "Technical Council" which was charged study of problems connected with the development of merchant vessel cons		50X1-HUM
9.	of vessels for the USSR in foreign shipyards proceeded exclusively under of the USSR Register and in accordance with its highest standards.		50X1-HUM
10.	A very important sector in the USSR Maritime Register's activity is the inspection of vessels which are in operation. The job of technical inspamong other things, of introducing practical measures aimed to avert acc vessels.	technical ection consis idents to	ts
11.	During World War II, with the aid of the USSR Maritime Register, practic rapidly and effectively repair sea-going vessels damaged in battle were found. The system of electric welding and concrete laying (under techniof the USSR Maritime Register) in the repair of shot holes or other type damage was used extensively.	tested and	50X1-HUM
12.	After the nationalization of the fleet the job of inspecting all boiler installations was turned over to the water transport organizations it was assumed by the USSR Register.	l ships's and after 5	0X1-HUM
13.	The taking over of all vessels by the government made it possible for the Register to get more complete data on steam boilers installed on merchant vessels, to disseminate the result of experience gained by a great many of the boilers' working condition, to provide better founded deductions on the past defects and to check on the adoption of measures proposed or recomme Register with the aim of preventing or removing these defects. In the best existence, the USSR Register encountered a great many difficulties. connection the boiler inspection rules were expected to provide for testimaterial of boilers which were already over 24 years old. To fully accept demand with regard to boilers of the nationalized fleet, where there were thousand boilers over 24 years of age, would have put the USSR Register i would have had the effect of keeping vessels from being put into operation Register was faced with a complicated task; it had to find a way out of twithout prejudice in order to ensure reliable functioning of the boilers operation of the fleet.	cand river observations one causes for ended by the eginning of In this ng of the tsuch a several n a position y cases it n. The he situation and the proper	
14.	The only criterion which possibly could have been established on the quest whether testing of boiler material should be demanded because of age would the systematic testing of the material of boilers which were either defect had been in operation for over 24 years. The nationalization of the fleet possible, to start extensive research on the material of the steel in the boiler.	d have been tive or which t made it	50X1-HUM
15.	Preliminary conclusions drawn from tests made by Tun Gasvelshchikov, men Technical Council of the USSR Maritime Register showed to results of statical tests do not depend on the age of the boiler. As a retained the Register rescinded the request for making tests on the boilers' to bending due to old age.	that the	50X1-HUM 50X1-HUM 50X1-HUM
16.	Furthermore, while examining the problem of the effect of the aging process weakening of the tensility of the metal of boilers parts, it was establish age of a boiler proves to have no influence on the results of dynamic test of which the boiler is composed.	s on the ed that the s of the stee!	L
17.	Consequently the USSR Register was in a position to reject demands for med of boiler unterial for reasons of age on the basis of statical as well as tests. The rejection of this demand unde it possible to extend very old be operating time in service.	hanical tests iynamic load bilers'	

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18.	Another very important item in the field of boiler inspection was the introduction of welding processes for the repair and construction of boilers.	
19.	The systematization of material adapted for electrical and gas welding gave the USSR Register the change to prepare and issue the first "Rules in the Armides."	50X1-H
	USSR Register the chance to prepare and issue the first "Bules in the Application of Gas and Electrical Welding in Repair and Construction of Ship's Steam Boilers", ever published in the USSR. The adoption of these rules made possible the introduction of welding as the most perfect and most effective means for carrying	30X1-11
	out repair of bollers without the need of removing them from the vessel. The welding system was applied by the Register not only to remain jobs but to construction of	
20.	entirely welded boilers.	
20.	Severe and thorough demands by the Register relative to the quality of welding combinations compelled ship repair and ship building enterprises to switch over to applying such methods of welding (also of electrodes) that produce welding seems which in their tensility are pretty close to the basic metal.	
	which in their tensility are pretty close to the basic metal.	
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